

## AD-A271 907



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### Scientific and Technical Report for the Belvoir Task Order Tracking System (BTOTS)

15 October 1993



Prepared for the US Army Belvoir Research, Development, and Engineering Center under Contract number: DAAK70-92-D4003, task order number 0016.

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### Scientific and Technical Report Summary for the Belvoir Task Order Tracking System (BTOTS)

Prepared for the US Army Belvoir Research,
Development, and Engineering Center under Contract
number: DAAK70-92-D-0003, task order number 0016.
30 December 1992 to 31 October 1993

by

J. Fred Clodfelter (703) 205-1535

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## Scientific and Technical Report Summary for the Belvoir Task Order Tracking System (BTOTS)

#### 1. OBJECTIVE

The Belvoir Research Development and Engineering Center (BRDEC) uses several Time and Material (T&M) contracts for engineering services. Managing the great number of tasks requires excessive manpower. BRDEC determined that it needed an automated software system to help manage these tasks. The system was named the Belvoir Task Order Tracking System (BTOTS).

BTOTS was to be an easy to use and understand software application that automated cost and schedule information for four of BRDEC's T&M contracts. The software was to produce automated management reports, graphs, and charts from monthly invoice inputs that are supplied by each of the T&M contractors. The software was to be documented in a technical report, users' guide, and maintenance manual.

#### 2. PROCEDURE

BRTRC developed BTOTS to meet and exceed the needs specified above. BTOTS was developed in Clipper and uses XBASE (DBASE, FOXBASE,...) database files to store the cost, schedule, and other contract data. A graphics library, DGE, was used for producing hardcopy and on-screen graphs. BRTRC developed BTOTS in stages that would allow BRDEC to review and use the database as early as possible. The features developed in each stage are described below:

- (1) On-paper design of skeleton system,
- (2) Develop data entry sections,
- (3) Develop graphs and reports sections,
- (4) Develop networking capability,
- (5) Enter remainder of online help and make recommended revisions, and
- (6) Document.

#### 3. RESULTS

BRTRC designed, built, and documented the Belvoir Task Order Tracking System (BTOTS). The system was installed on BRDEC's network and is being used with great success.

BRTRC documented BTOTS in three volumes, the: User's Guide, Scientific and Technical Report, and Maintenance Manual.

#### INTRODUCTION

The Belvoir Research Development and Engineering Center (BRDEC) uses several Time and Material (T&M) contracts for engineering services. Several audits have been performed to review management of these contracts and deficiencies were found. BRDEC determined that it needed an automated software system to help manage these tasks. This document is the Scientific and Technical report that describes this automated system. The report is kept brief and describes the background, development of, and information contained in the automated system. Additional information can be found in the user's guide and maintenance manuals that are also deliverables for this software.

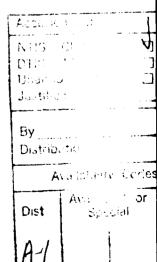
#### **SCOPE**

The scope of this effort was to design, develop, and document an easy to use and understand software application that automated cost and schedule information for four of BRDEC's T&M contracts. The software was to produce automated management reports, graphs, and charts from monthly invoice inputs that are supplied by each of the T&M contractors. The software was to be documented in a technical report, users' guide, and maintenance manual.

#### **DEVELOPING BTOTS**

BRTRC developed the Belvoir Task Order Tracking System (BTOTS) to meet and actually exceed the needs specified above. BTOTS runs on IBM compatible personal computers in a stand-alone or network environment. BTOTS was developed in Clipper and uses XBASE (DBASE, FOXBASE,...) database files to store the cost, schedule, and other contract data. A graphics library, DGE, was used for producing hardcopy and on-screen graphs. BRTRC has much experience developing applications with features common to BTOTS and used a proprietary library of functions. BRTRC developed BTOTS in stages that would allow BRDEC to review and use the database as early in as possible. The features developed in each stage are described below:

- (1) On-paper design of skeleton system,
- (2) Develop data entry sections,
- (3) Develop graphs and reports sections,
- (4) Develop networking capability,
- (5) Enter remainder of online help and make recommended revisions, and
- (6) Document.



The first part of BTOTS that was developed was the data entry sections. This let the users see and experiment with the layout of the system. This early draft data entry version was demonstrated and useable within a few weeks after task award. While BRDEC was reviewing the data entry sections of BTOTS, BRTRC developed the graphs and reports. A few weeks after the data entry sections were briefed and ready for review, BRTRC delivered a version that had the graphs and reports generation sections available for review. The next step was to add the ability to use BTOTS in a network environment and the final step will be to input the remainder of on-line help and make necessary changes as required by BRDEC.

#### MEETING THE REQUIREMENTS

BRTRC developed BTOTS to assist in the surveillance of four (actually up-to hundreds) T&M contracts (BRTRC, VITRO, RADIAN, and VSE). BRTRC's contract data was entered into BTOTS first and BTOTS was presented for government review. BTOTS was built so any number of contracts can be entered as needed. One of the options on BTOTS's menu is to add a new contract.

BRTRC designed the structure and organization of the database to be flexible enough to accommodate all requirements stated in the statement of work. BRTRC developed and planned for the future requirements that were specified in the statement of work. The future requirements were to add non-T&M contracts to the database and to develop the ability to limit access to various data. BRTRC actually developed the ability to restrict access to certain information. BTOTS was made flexible and robust enough to implement non-T&M contracts management functions in the future.

BTOTS lets BRDEC personnel input, edit, update, change and query data by contract and task through input forms. The input forms have necessary data validation features and on-line help available for each field in the database.

Several sample screens from BTOTS are shown in Appendix A.

#### CONTRACT DATA

BTOTS allows for easy input and retrieval of the specified contract. The fields or kinds of information is described below.

- (1) Labor cost per hour per category. The database can handle up to 99 labor categories for any number of option years, although only 36 categories were required by the statement of work. The option years can change at discrete dates and do not actually have to be option years. The option period is defined by an effective date for each set of labor rates. The correct rates are selected depending on the date of the invoice.
- (2) General contractor data includes the award date of contracts and tasks, the

contractors name and address, option periods, and a basic statement describing the type of work performed for the contract. Additional data may also be stored including phone/FAX numbers, withholding percentages and ceilings, and POC information.

(3) Data deliverables information includes: deliverable description, due dates, delivered dates, data item numbers, and authority numbers.

#### TASK DATA

The following task order data is entered when the task is awarded or modified except where noted:

- (1) General information includes: name, office symbol, and phone/FAX numbers for the Technical Advisor, Contractor POC, and COR POC; original award dates; completion dates; amounts; delivery information (original delivery date, current delivery date, actual delivery date, type of transmittal document); and COR comments.
- (2) Proposed cost and schedule data includes the ability to schedule expected spending. BTOTS lets you select from five standard schedules (straight-line, spend-early, spend-late, spend-middle, spend-ends) and it automatically calculates monthly expenditures to fit the schedules. The user has the flexibility to project spending in any way in increments greater than or equal to one day.

#### MONTHLY CONTRACTORS' INVOICE DATA

Monthly contractors' invoice data includes: the task number, billing period, total contractors obligated, total accrued, total disbursed, total withheld, other direct costs (ODCs), and hours expended by each labor category. This data is imported by ASCII text files. Once this data is imported, the user may enter monthly comments.

#### **OUTPUT**

BTOTS contains reports and graphs which can be viewed on-screen, printed on paper, or sent to a text file for later printing or importing in another document. Reports include ones showing the following: detailed task order information, delivery information, invoice data, table of monthly expenditures, modification data, COR comments, close out information, summary of tasks orders, contract summary, COR monthly report, and the management health report. These reports have been redesigned and, although they exceed, they do not exactly match the sample reports described in the statement of work. Sample reports are included in Appendix B.

BTOTS lets the user selectively print these reports using several fields such as the: POC names, office symbols, and task titles. The office symbol field can be used to select reports by

directorate, lab, office, or POC.

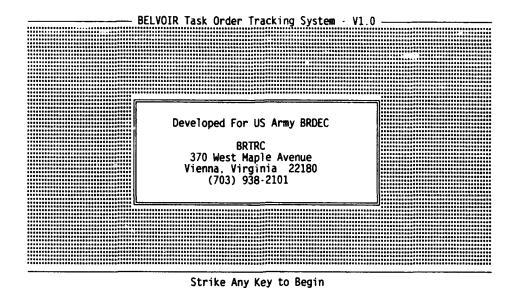
#### **DATABASE SOFTWARE**

BRTRC provided all software products necessary to use and maintain BTOTS. This included the application, the source code documented to the procedure level, and the ancillary object files.

#### **DOCUMENTATION**

The database software documentation includes: this technical report, an end user's manual, and a maintenance manual in accordance with DOD-STD-7935A.

# APPENDIX A SAMPLE BTOTS SCREENS



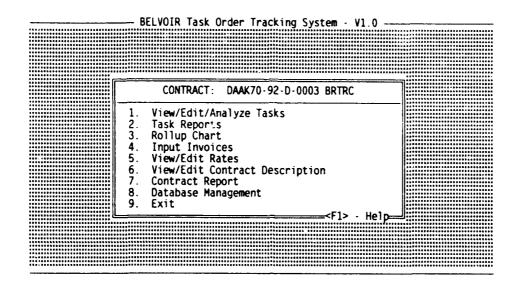
BELVOIR Task Order Tracking System - V1.0

\*\*\*\* M A I N M E N U \*\*\*\*

1. Select a Contract
2. Add a Contract
3. Database Management
4. Setup
5. Help
6. Exit

F1> - Help

BRTRC, 370 West Maple Avenue, Vienna, Va. 22180 (703) 938-2014

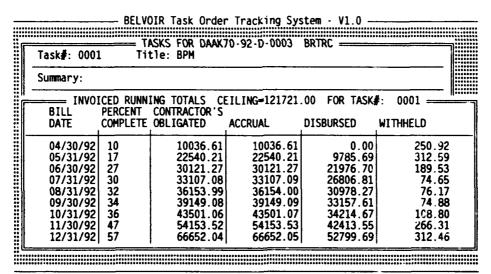


Task#: (		FOR DAAK70- QUICK	3E	J. 1110	
Summary					
FAX:	Tech Advisor (TA) Ed Starkovich (703) 704-1994 (703) 704-3794 STRBE-FEA	Fred C (703)	ctor lodfelter 938-2101 938-2050	COR	
	Complete Date:			Award Amt: Award Amt:	98813.00 98813.00
Balance	Contr's Obligated Accrual: Disbursed:	7868		ginal IGCE: rent IGCE:	0.00 0.00 PMS#: 0

Goto Edit Browse Rpt Add Delivs Invcs Mods COR Close Spend View/Edit/Graph Invoices

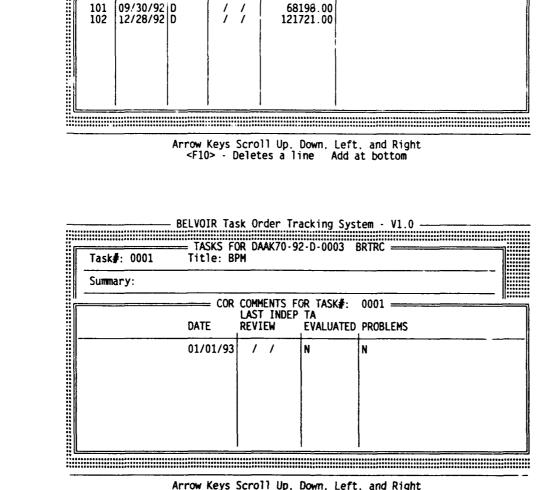
TASKS FOR DAAK70-92-D-0003 BRTRC Tusk#: 0001 Title: BPM			
Summary:			
DELIVERABLES FOR TASK#: 0001		TRANS	ORIG DUE
PROGRESS STATUS MEETING REPORT CONTRACTOR'S PROGRESS, STATUS, & MANAGEMENT REPORT TEST DRAFT SCIENTIFIC AND TECHNICAL REPORTS DRAFT COMPUTER SOFTWARE END ITEMS DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY FINAL SCIENTIFIC AND TECHNICAL REPORTS FINAL COMPUTER SOFTWARE END ITEMS FINAL SCIENTIFIC AND TECHNICAL REPORTS FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	N N		/ / // 08/01/93 09/01/93 09/01/93 09/30/93 09/30/93

Arrow Keys Screll Up, Down, Left, and Right <F10> - Deletes a line Add at bottom



Arrow Keys Scroll Up, Down, Left, and Right <F10> - Deletes a line Add at bottom

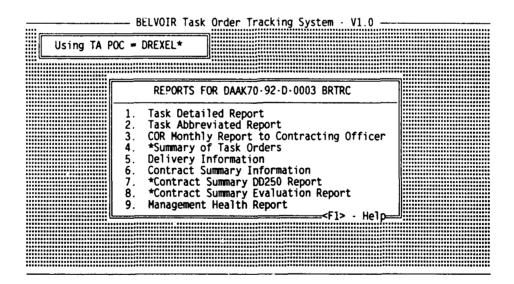
Task	#: 0001	Tit	le: B	PM			
Summ.	_ry:						
MOD#	MODED	TYPE OF MOD	NEW DATE	MODS	FOR TASK#: NEW AMOUNT	MODS COMMENTS	
101 102	09/30/92 12/28/92		/,	/	68198.00 121721.00		



Arrow Keys Scroll Up, Down, Left, and Right <F10> - Deletes a line Add at bottom

Task#: 0001 Title: I	FOR DAAK70-92-D-0003 BRTRC BPM		]
DD250 Number: Sent to KO: Closed [Y/N]:	= CLOSEOUT INFORMATION === on: / / Performance Rat Product Rating	ing [110]]: [110]:	- !
TA Accepted [Y/N]: TA Comments:	on: /	/	
COR Inspected [Y/N]: COR Rating [110]: COR Comments:	on: /	/	
Balance Disbursed:	121721.00 Flag:	PMS#:	0

Press any key to continue



BELVOIR Task Order Tracking System - V1

Contract DAAK70-92-D-0003 BRTRC =

Contract#: Contractor:

Title:

Zip:

Ceiling:

Awarded: Ends:

Street:

City: State:

Phone: FAX:

# APPENDIX B SAMPLE BTOTS REPORTS

Task#: 0001

Title: BPM

Summery:

POC:

Tech Advisor

Donna Dodge

Phone: (703) 704-1067

FAX:

Award Date:

Original IGCE:

Office: STRB-NOO

Contractor

POC: Neil Romstedt

Phone: (703) 938-2142 FAX: (703) 938-2050

39524.00

121721.00

**Balance Less Committed:** Balance Less Billed: Balance Less Paid:

POC:

FAX:

Phone:

Office:

COR

55068.96 55068.95 68921.31

Original End Date: 09/30/93 Current End Date: 09/30/93

0.00

04/02/92

Current IGCE:

Original Award Amt:

Current Award Amt:

0.00

PMS#:

0

#### \*\*\*\*DELIVERABLES\*\*\*\*

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORTS	09/01/93	09/01/93	//	
DRAFT COMPUTER SOFTWARE END ITEMS	09/01/93	09/01/93	11	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	09/01/93	09/01/93	11	
FINAL SCIENTIFIC AND TECHNICAL REPORTS	09/30/93	09/30/93	//	
FINAL COMPUTER SOFTWARE END ITEMS	09/30/93	09/30/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	09/30/93	09/30/93	11	

#### \*\*\*\*INVOICES\*\*\*\*

BILL DATE	% COMPLETE	INVOICE	COMMITTED	BILLED	PAID	LABOR	ООС	GA
				<del></del>				
12/31/92	57%	12498.52	66652.04	66652.05	52799.69	12498.52	0.00	0.00
11/30/92	47%	10652.46	54153.52	54153.53	42413.55	10652.46	0.00	0.00
10/31/92	36%	4351.98	43501.06	43501.07	34214.67	4351.98	0.00	0.00

#### \*\*\*\*HODS\*\*\*\*

MOD	MOD DATE	MOD TYPE	NEW DATE	NEW AMOUNT	COMMENTS	
				<del></del>	•	
101	09/30/92	D	/ /	68198.00		
102	12/28/92	D	/ /	121721.00		

#### \*\*\*\*COR COMMENTS\*\*\*\*

COMED	REVIEW	TA EVALUATION	PROBLEMS	CONNENTS
01/01/93	//	N		THIS IS A TEST OF THE COR COMMENTS SECTION OF THE BTOTS DATABASE

Task#: 0001

Title: BPM

Summery:

Tech Advisor

Contractor

COR

POC:

Donna Dodge

POC: Neil Romstedt

POC:

Phone: (703) 704-1067

Phone: (703) 938-2142

Phone: FAX:

FAX:

Office: STRB-NDD

FAX: (703) 938-2050

Office:

Award Date:

04/02/92

Original Award Amt:

39524.00

Balance Less Committed:

55068.96

Original End Date: 09/30/93

121721.00

Balance Less Billed:

55068.95

Current End Date: 09/30/93

Current Award Amt:

Balance Less Paid:

68921.31

Percent Complete: 57% as of: 12/31/92

COR Comments: THIS IS A TEST OF THE COR COMMENTS SECTION OF THE STOTS DATABASE

TASK N	100	TITLE	TA RPRT	AWARDED/ DUE	INHOUSE POC	CURRENT AWARD AMY	BALANCE LESS CONTR'S OBLG		
0001	2	SPH	N		Donna Dodge (703) 704-1067	121721.00	55068.95	01/01/93	THIS IS A TEST OF THE COR COMMENTS SECTION OF THE BTOTS DATABASE
0002	1	HPM			Mark Purdy (703) 704-1058	99983.00	31100.50	/ /	
0003	1	SAPLIC			Robert Thomas (703) 704-6873	118795.00	5.54	/ /	
0004	1	ATLAS			Dave Krauchuck (703) 704-2314	194169.00	23619.83	/ /	
0005	0	RDA			Susie Shepherd (703) 704-2134	25375.00	14364.94	/ /	
0006	1	FLASH			Gary Smyder (703) 704-2579	15039.00	1261.87	, ,	
0007	1	QUICK		-	Ed Starkovich (703) 704-1994	98813.00	78685 .65	, ,	
8000	0	DEGS			Bart Leggett (703) 704-1862	15079.00	16.90	, ,	
0009	0	HBS			John Stanek (703) 704-2562	92424.01	0.00	′ ′	
0010	1	CMPA			Charlie Gardner (703) 704-2784	50832.00	23113.37	′ ′	
0011	1	MTB			John Stanek (703) 704-2562	24952.00	4332.82	/ /	
0012	0	FLASH 2			Gene Klager (703) 704-2578	79362.00	75477.12	, ,	
0013	0	GLPS			Edwin Huth (703) 704-2602	75800.00	73710.05	′ ′	
0014	1	MSCS		• • -	Jose' Rivera-Cotto (703) 704-2571	99883.00	95971.42	′ ′	
0015	0	HHCH			Brian Green (703) 704-2474	104703.00	99156.18	, ,	
0016	0	BTOTS			Drexel Dodge (703) 704-3462	0.00	0.00	/ /	

TASK	HOD	TITLE	TA RPRT		RDED/	INHOUSE POC		BALANCE CONTR'S				COR COMMENTS
0017	0	CMPP		•	/	Tom Severidge (703) 704-1970	6.00		0.00	1	/	
0018	0	FARV		•	/	William Purdue (703) 704-2841	0.00		0.00	1	′	
0019	0	NCCD		/	/	Jeffrey Smith (703) 704-1454	0.00		0.00	/	/	

#### DELIVERABLES ALL

Task#: 0001 Title	· RPM	
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DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORTS	09/01/93	09/01/93	//	
DRAFT COMPUTER SOFTWARE END ITEMS	09/01/93	09/01/93	//	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	09/01/93	09/01/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS	09/30/93	09/30/93	//	
FINAL COMPUTER SOFTWARE END ITEMS	09/30/93	09/30/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	09/30/93	09/30/93	//	

#### Task#: 0002 Title: HPM

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT	02/15/93	02/15/93	//	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	02/15/93	02/15/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORT	03/27/93	03/27/93	//	
COMPUTER PRODUCT SOFTWARE END ITEMS	03/27/93	03/27/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	03/27/93	03/27/93	11	

#### Task#: 0003 Title: SAPLIC

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
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DENO COMPUTER SOFTWARE PRODUCT END ITEMS	06/20/92	06/20/92	06/20/92	
DRAFT PROGRAM PLAN	06/20/92	06/20/92	06/20/92	
FINAL SCIENTIFIC AND TECHNICAL REPORT 1	07/20/ <del>9</del> 2	07/20/92	07/20/92	
FINAL COMPUTER SOFTWARE PRODUCT END ITEMS	07/20/ <del>9</del> 2	07/20/92	07/20/92	
FINAL PROGRAM PLAN	07/20/ <del>9</del> 2	07/20/92	07/20/92	
SCIENTIFIC AND TECHNICAL REPORT 2	08/23/92	08/23/92	08/23/92	

#### Task#: 0004 Title: ATLAS

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT 1	05/21/92	05/21/92	05/21/92	
FINAL SCIENTIFIC AND TECHNICAL REPORT 1	05/31/92	05/31/92	05/31/92	
DRAFT SCIENTIFIC AND TECHNICAL REPORT 2	09/07/92	09/07/92	09/07/92	
DRAFT PRESENTATION MATERIALS	09/07/92	09/07/92	09/07/92	

DELIVERABLES ALL				
Task#: 0005 Title: RDA				
DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT FINAL SCIENTIFIC AND TECHNICAL REPORT	05/08/93 06/07/93		//	
Task#: 0006 Title: FLASH				
DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUPMARY DRAFT SCIENTIFIC AND TECHNICAL REPORT	12/26/92 01/05/93	12/26/92		
Task#: 0007 Title: QUICK				
DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
FINAL SCIENTIFIC AND TECHNICAL REPORTS	01/06/93	08/06/93	//	
INCORPORATION OF SET TECH. REPORTS COMMENTS	01/31/93	08/31/93	/ /	
COMPUTER SOFTWARE PRODUCT END ITEMS DOCUMENTATION OF COMMERCIALLY AVAILABLE OR	01/31/93 01/31/93			
INCORPORATION OF COMMENTS	02/25/93	-	, ,	
Task#: 0008 Title: DEGS				
DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORTS	10/14/92	10/14/92	10/14/92	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	10/14/92	10/14/92	10/14/92	
FINAL SCIENTIFIC AND TECHNICAL REPORTS	10/29/92	10/29/92	10/29/92	
INAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	10/29/92	10/29/92	10/29/92	
Task#: 0009 Title: HBB				
Task#: 0009 Title: HBB DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS

D#-L	IVER	ABL	. 2.5	ALL

	Task#:	0010	Title:	CHPA
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DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT	12/01/92	01/20/93	01/20/93	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	12/01/92	01/20/93	01/20/93	
FINAL SCIENTIFIC AND TECHNICAL REPORT	12/31/92	02/18/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	12/31/92	02/18/93	/ /	

#### Task#: 0011 Title: MTB

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORTS	01/06/93	01/06/93	01/06/93	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS	01/06/93	01/06/93	01/06/93	
FINAL SCIENTIFIC AND TECHNICAL REPORTS	01/31/93	01/31/93	01/31/93	
FINAL SCIENTIFIC AND TECHNICAL REPORTS	01/31/93	01/31/93	01/31/93	

#### Tesk#: 0012 Title: FLASH 2

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT	03/13/93	03/13/93		
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUPPARY	03/13/93	03/13/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORT	04/12/93	04/12/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	09/30/93	09/30/93	11	

#### Task#: 0013 Title: GLPS

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT	10/27/93	10/27/93		
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SURGIARY	10/27/93	10/27/93	//	
DRAFT SAFETY ASSESSMENT REPORT	10/27/93	10/27/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORT	11/19/93	11/19/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	11/19/93	11/19/93	1 1	
FINAL SAFETY ASSESSMENT REPORT	11/19/93	11/19/93	/ /	

#### DELIVERABLES ALL

Task#: 0014 Title: MSCS

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT TEST PLAN	12/15/92	12/15/92	12/15/92	
FINAL DRAFT TEST PLAN	12/31/92	12/31/92	12/31/92	
DRAFT SCIENTIFIC AND TECHNICAL REPORT	10/15/93	10/15/93	//	
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SURBIARY	11/01/93	11/01/93	11	
FINAL SCIENTIFIC AND TECHNICAL REPORT	11/28/93	11/28/93	11	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	11/28/93	11/28/93	//	

Task#: 0015 Title: MMCM

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT (PHASE	02/13/93	02/13/93	02/13/93	
DRAFT SCIENTIFIC & TECHNICAL REPORTS SUM	02/13/93	02/13/93	02/13/93	
FINAL SCIENTIFIC AND TECHNICAL REPORT (PHASE	03/15/93	03/15/93	//	
FINAL SCIENTIFIC & TECHNICAL REPORTS SUM	03/15/93	03/15/93	11	
DRAFT PRESENTATION MATERIALS (PHASE II)	04/14/93	04/14/93	11	
DRAFT SCIENTIFIC AND TECHNICAL REPORT (PHASE	04/14/93	04/14/93	//	
FINAL PRESENTATION MATERIALS (PHASE II)	05/14/93	05/14/93	/ /	
FINAL SCIENTIFIC AND TECHNICAL REPORT (PHASE	05/14/93	05/14/93	//	
DRAFT PRESENTATION MATERIALS (PHASE III)	05/14/93	05/14/93	//	
DRAFT SCIENTIFIC & TECHNICAL REPTS SUM	05/14/93	05/14/93	//	
FINAL PRESENTATION MATERIALS (PHASE III)	06/13/93	06/13/93	//	
FINAL SCIENTIFIC & TECHNICAL REPTS SUM	06/13/93	06/13/93	11	

#### DELIVERABLES LATE

Task#: (	2000	Title:	HPM
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DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT	02/15/93	02/15/93		
DRAFT SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	02/15/93	02/15/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORT	03/27/93	03/27/93	//	
COMPUTER PRODUCT SOFTWARE END ITEMS	03/27/93	03/27/93	//	
FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	03/27/93	03/27/93	/ /	
Task#: 0005 Title: RDA				
DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
DRAFT SCIENTIFIC AND TECHNICAL REPORT	05/08/93	05/08/93		
FINAL SCIENTIFIC AND TECHNICAL REPORT	06/07/93	06/07/93	, ,	
FINAL SCIENTIFIC AND TECHNICAL KCPURT	00/01/43	33,01,73	, ,	
Task#: 0010 Title: CMPA				
Task#: 0010 Title: CMPA	ORIGINAL DUE DATE		DEL I VERED	COMMENTS
Task#: 0010 Title: CMPA		DUE DATE	DEL I VERED	COMMENTS
Task#: 0010 Title: CMPA  DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DEL I VERED	COMMENTS
Task#: 0010 Title: CMPA  DELIVERABLES  FINAL SCIENTIFIC AND TECHNICAL REPORT	ORIGINAL DUE DATE	DUE DATE 	DEL IVERED //	COMMENTS
Task#: 0010 Title: CMPA  DELIVERABLES  FINAL SCIENTIFIC AND TECHNICAL REPORT FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY	ORIGINAL DUE DATE	DUE DATE 	DEL IVERED //	COMMENTS
Task#: 0010 Title: CMPA  DELIVERABLES  FINAL SCIENTIFIC AND TECHNICAL REPORT FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY  Task#: 0012 Title: FLASH 2	12/31/92 12/31/92	DUE DATE 02/18/93 02/18/93	DEL IVERED	
Task#: 0010 Title: CMPA  DELIVERABLES  FINAL SCIENTIFIC AND TECHNICAL REPORT FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY  Task#: 0012 Title: FLASH 2  DELIVERABLES	ORIGINAL DUE DATE  12/31/92 12/31/92  ORIGINAL DUE DATE	DUE DATE 02/18/93 02/18/93	DELIVERED / / / / / DELIVERED	
Task#: 0010 Title: CMPA  DELIVERABLES  FINAL SCIENTIFIC AND TECHNICAL REPORT FINAL SCIENTIFIC AND TECHNICAL REPORTS SUMMARY  Task#: 0012 Title: FLASH 2  DELIVERABLES  DRAFT SCIENTIFIC AND TECHNICAL REPORT	ORIGINAL DUE DATE  12/31/92 12/31/92  ORIGINAL DUE DATE  03/13/93	DUE DATE 02/18/93 02/18/93  DUE DATE 03/13/93	DELIVERED // / DELIVERED // /	

#### DELIVERABLES LATE

Task#: 0015 Title: MMCM

DELIVERABLES	ORIGINAL DUE DATE	DUE DATE	DELIVERED	COMMENTS
FINAL SCIENTIFIC AND TECHNICAL REPORT (PHASE	03/15/93	03/15/93	//	
FINAL SCIENTIFIC & TECHNICAL REPORTS SUM	03/15/93	03/15/93	/ /	
DRAFT PRESENTATION MATERIALS (PHASE II)	04/14/93	04/14/93	//	
DRAFT SCIENTIFIC AND TECHNICAL REPORT (PHASE	04/14/93	04/14/93	//	
FINAL PRESENTATION MATERIALS (PHASE II)	05/14/93	05/14/93	1 1	
FINAL SCIENTIFIC AND TECHNICAL REPORT (PHASE	05/14/93	05/14/93	//	
DRAFT PRESENTATION MATERIALS (PHASE III)	05/14/93	05/14/93	//	
DRAFT SCIENTIFIC & TECHNICAL REPTS SUM	05/14/93	05/14/93	11	
FINAL PRESENTATION MATERIALS (PHASE III)	06/13/93	06/13/93	//	
FINAL SCIENTIFIC & TECHNICAL REPTS SUM	06/13/93	06/13/93	//	

Contract Start: 04/01/92 Contract End: 01/01/94

No. Tasks Awarded: 19 No. Mods Awarded: 10 Deliv. Due This Mo:

No. Tasks Completed: 0 Changed for Scope: 0 Deliv Due Next Mo: 0

Time: 6

No. Tasks Active: 0 Funds: 4

Total Contract Ceiling Amount: 1216930.01

Total Contract Funds Remaining from Contractors Obligated: 528154.31
Accrual: 575885.14

Disbursed: 736897.42

Withhold Ceiling: 0.00 Withhold Fraction: 0.000 Total Withholding: 16026.13

Total Ceiling Amount to Contractor Prior FY: 857182.01 Current FY: 359748.00

Total Amount Invoiced by Contractor Prior FY: 625611.64 Current FY: 15433.23

#### \*\*\*\*ACCRUED LABOR\*\*\*\*

	HOURS	\$		HOURS	\$		HOURS	\$
							<del></del>	<del></del>
PROGRAM MANAGER	1714	130716	PROJECT MANAGER	0	0	SENIOR ENGINEER	2829	181093
ENGINEER	2303	122314	JUNIOR ENGINEER	0	0	INTERN ENGINEER	0	0
SR RESEARCH ANALYST	0	0	RESEARCH ANALYST	0	0	JR RESEARCH ANALYST	120	3961
ENGINEERING AIDES	18	496	TECHNICAL WRITER	0	0	ILLUSTRATOR	8	175
TECHNICAL TYPIST	25	505	DATA ENTRY PERSON	38	673	ADMIN OFFICER	0	0
SECRETARY	11	157	UNUSED #1	0	0	UNUSED #2	0	0
UNUSED #3	0	0	UNUSED #4	0	0			

Total Labor Hours: 7065.50

Total of Actual Labor \$ Expended: 440089.45

#### \*\*\*\*ACCRUED ODCs\*\*\*\*

Local Travel: 2123.80
LD Travel: 4525.67
Consultants: 11172.00
Subcontractors: 148962.04
Materials: 868.20
Other: 1645.15
G&A: 31658.58

Total ODCs: 200955.44

TACK	TITLE	AUADD AMT	AWARDED/	TA POC	CONTR POC	ACCURAL -PROJ M		COD COMMENTS
		AVARD ANT				ACCURAL+DISP DI		CON COMPENS
0001	BPM	121721	04/02/92	Donna Dodge	Neil Romstedt	1.26	0	THIS IS A TEST OF
		68921	09/30/93	(703) 704-1067	(703) 938-2142	0.87		THE COR COMMENTS SECTION OF THE BTOTS DATABASE
0002	нем	99983	04/14/92	Mark Purdy	John Morgan	1.34	5	
		48443	04/30/93	(703) 704-1058	(703) 938-4085	1.37		
0003	SAPLIC	118795	05/06/92	Robert Thomas	John Morgan	1.29	0	
		26717	12/30/92	(703) 704-6873	(703) 938-4085	1.28		
0004	ATLAS	194169	05/01/92	Dave Krawchuck	Andy Remson	1.10	0	
		39270	01/31/93	(703) 704-2314	(703) 938-0227	1.43		
0005	RDA	25375	06/09/92	Susie Shepherd	Neil Romstedt	0.93	1	
		13514	06/07/93	(703) 704-2134	(703) 938-2142	0.99		
0006	FLASH	15039	07/08/92	Gary Snyder	Fred Clodfelter	0.94	0	
		393	11/30/92	(703) 704-2579	(703) 938-2101	1.27		
0007	QUICK	98813	07/10/92	Ed Starkovich	Fred Clodfelter	1.03	0	
		79189	08/31/93	(703) 704-1994	(703) 938-2101	0.74		
8000	DEGS	15079	07/21/92	Bart Leggett	Fred Clodfelter	1.03	0	
		393	12/31/92	(703) 704-1862	(703) 938-2101	1.00		
0009	H88	92424	07/31/92	John Stanek	Charlie Gallion	1.90	0	
		43706	12/31/92	(703) 704-2562	(703) 938-1530	1.00		
0010	CMPA	50832	08/31/92	Chartie Gardner	Charlie Gallion	1.45	2	
		31651	02/18/93	(703) 704-2784	(703) 938-1530	1.31		
0011	MTB	24952	09/30/92	John Stanek	Dan Shuey	0.00	0	
		24952	01/31/93	(703) 704-2562	(703) 938-4083	2.37		
0012	FLASH 2	79362	11/13/92	Gene Klager	Mark Felske	0.00	3	
		79362	09/30/93	(703) 704-2578	(703) 255-5446	0.15		
0013	GLPS	75800	11/20/92	Edwin Huth	Mark Felske	0.00	0	
		75800	11/19/93	(703) 704-2602	(703) 255-5446	1.69		
0014	MSCS	99883	11/25/92	Jose' Rivera-Cotto	Mark Felske	0.00	0	
		99883	11/28/93	(703) 704-2571	(703) 225-5446	0.05		
0015	инси	104703	12/15/92	Brian Green	Charlie Gallion	0.00	8	
		104703	06/15/93	(703) 704-2474	(703) 938-1530	0.06		
0016	BTOTS	0	/ /	Drexel Dodge	Fred Clodfelter	0.00	0	
		0	/ /	(703) 704-3462	(703) 938-2101	0.00		

### HEALTH REPORT FOR CONTRACT# DAAK?0-92-0-0003 (continued)

			AW/	RDE	/		ACCURAL -PROJ	MISS	
TASK	TITLE	AWARD AMT	DUE		TA POC	CONTR POC	ACCURAL +DISP	DELIV	COR COMMENTS
0017	CMPP			, ,	Tom Severidge	Charlie Gallion	0.00		
		0	•	/	(703) 704-1970	(703) 938-1530	0.00		
0018	FARV	0		, ,	William Purdue	Andy Remson	0.00	0	
		٥	•	′ /	(703) 704-2841	(703) 938-0277	0.00		
0019	NCCD	0		, ,	Jeffrey Smith	Mark Felske	0.00	0	
		0		′ /	(703) 704-1454	(703) 255-5446	0.00		